

I claim:

1. A pre-moistened wet wipe comprising:

a paper substrate comprising substantially all fibrillated cellulosic fibers; and
a wetting solution;

5 wherein the substrate, when wetted with the wetting solution, has a tensile
strength no less than 20 Newtons/meter, and is dispersable within 100 shakes
when tested using a mason jar shake test.

2. The wet wipe of claim 1 wherein the wetting solution contains alcohol selected

10 from the group consisting of ethanol, n-propanol, isopropanol and butanol.

3. The wet wipe of claim 2 wherein the wetting solution contains less than 35%
alcohol and further includes up to 2 pounds per fiber ton of a wet strength
additive.

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4. The wet wipe of claim 2 wherein the substrate has a basis weight of 30 to 150
gsm.

20 5. The wet wipe of claim 4 wherein the substrate has a basis weight of 40 to 100
gsm.

6. The wet wipe of claim 1 wherein the tensile strength is 40 to 100 Newtons/meter
in its weakest planar direction.

7. The wet wipe of claim 1 wherein the tensile strength is 30 to 70 Newtons/meter in its weakest planar direction.

5 8. The wet wipe of claim 1 wherein the wetting solution contains 20 percent to 100 percent alcohol.

9. The wet wipe of claim 1 wherein the wetting solution contains 40 percent to 80 percent alcohol.

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10. The wet wipe of claim 1 wherein the cellulosic fiber comprises wood fibers.

11. The wet wipe of claim 10 wherein the cellulosic fiber is comprised of, at least in part, softwood fibers.

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12. The wet wipe of claim 10 wherein the substrate is embossed.

13. The wet wipe of claim 10 wherein the substrate is creped.

14. A pre-moistened wet wipe comprising:

a paper substrate having a basis weight of 30 to 150 gsm and comprised of fibrillated wood fiber and up to 2 pounds per fiber ton of a wet strength additive; and

5 a wetting solution comprising of water and 35 percent to 70 percent alcohol; wherein the wet wipe is dispersable when immersed and agitated in a solution of at least 99 percent water.

15. The wet wipe of claim 14 wherein the wet wipe is dispersable in accordance with
10 a mason jar shake test.

16. The wet wipe of claim 14 wherein the alcohol is selected from the group consisting of ethanol, n-propanol, isopropanol and butanol.

15 17. The wet wipe of claim 14 wherein the cellulosic fiber is selected from the group consisting of bleached northern spruce fiber, douglas fir, lodgepole pine, western larch, white pine, cedar, Grand fir, western hemlock, ponderosa pine, redwood, balsam, jack pine, red pine, loblolly pine, slash pine, Virginia pine, and long leaf pine.

20 18. The wet wipe of claim 14 wherein the cellulosic fiber is selected from the group consisting of bamboo, kenaf, hemp, and bagasse.

19. The wet wipe of claim 14 wherein the substrate was wet-creped during manufacture.

20. The wet wipe of claim 18 wherein the substrate is embossed.

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21. A method of manufacturing a wet wipe of claim 1 comprising the steps of:
fibrillating cellulosic fibers;
making a paper web from the cellulosic fibers;
drying the paper web to form a paper substrate, wherein the resulting paper
10 substrate has a basis weight of 30 to 150 gms; and
applying a wetting solution to the paper substrate.

22. The method of claim 21 further including the step of adding a wet strength additive to the cellulosic fibers before the step of making the paper web.

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23. The method of claim 21 further including the step of creping the paper web.

24. A wet wipe produced according to the method of claim 21.

20 25. The wet wipe of claim 21, wherein the wet wipe is placed into a package.

26. The method of claim 21 wherein the substrate is embossed.

27. A dispersable wet wipe comprising:

a paper substrate having a basis weight of 40 gsm to 75 gsm and a dry cross-

direction tensile strength of at least 1000 N/m; and

a wetting solution comprising of 35 percent to 70 percent alcohol;

5 wherein the wet wipe has tensile strength of at least 30 N/m when wetted with the wetting solution and is dispersable when agitated in a solution of at least 99 percent water.

28. A dispersable wet wipe comprising:

10 a paper substrate having a basis weight of 40 gsm to 75 gsm and a dry tensile

strength in its weakest planar direction of at least 200 N/m; and

a wetting solution comprising of 70 percent to 100 percent alcohol;

15 wherein the wet wipe has a wet tensile strength in the weakest planar direction of at least 30 N/m when wetted in 70% to 100% alcohol, and is dispersable when agitated in a solution of at least 99% water.

29. A method of cleaning a toilet seat in a public bathroom comprising:

mounting a dispenser in a bathroom;

removing a wet wipe in accordance with claim 1 from the dispenser;

20 applying the wet wipe to the toilet seat;

wiping the toilet seat with the wet wipe; and

disposing of the wet wipe in a toilet bowl attached to the toilet seat.

30. A pre-moistened wet wipe comprising:

a paper substrate comprising fibrillated cellulosic fibers; and

a wetting solution;

wherein the substrate, when wetted with the wetting solution, has a tensile

5 strength no less than 40 Newtons/meter, and is dispersable within 100 shakes

when tested using a mason jar shake test.